



2100 Pennsylvania Avenue, NW  
Washington, DC 20037-3213

T 202.293.7060  
F 202.293.7860

www.sughrue.com

Brett S. Sylvester  
T (202) 663-7360  
bsylvester@sughrue.com

April 1, 2004

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: New U.S. Patent Application No.: Not Yet Assigned  
Application of Emanuel Freire SANDES, Eduardo Cardoso de Melo GUERRA ,  
Paulo Sérgio FREIRE, José Mozart FUSCO, José Geraldo Furtado RAMOS,  
Aurélio Medina DUBOIS, and Wilson Kenzo HUZIWARA  
SISTEMA CICLÔNICO, PROCESSO E DISPOSITIVO PARA SEPARAR  
PARTÍCULAS SÓLIDAS E GASOSAS EM PROCESSOS DE FCC COM  
REDUÇÃO DA FORMAÇÃO DE COQUE EM VASOS SEPARADORES  
**Assignee: PETROLEO BRASILEIRO S.A. - PETROBRAS**  
Our Ref. Q80840

Dear Sir:

Attached hereto is the application identified above comprising 20 sheets of the specification, including the claims and abstract, and 6 sheets of drawings. **Copies of the executed Declaration and Power of Attorney, Assignment, and the English Language Translation will be submitted at a later date.** Also enclosed is an Information Disclosure Statement and PTO/SB/08 A & B (modified).

The Government filing fee is calculated as follows:

Total claims	<u>29</u>	-	<u>20</u>	=	<u>9</u>	x	\$18.00	=	<u>\$162.00</u>
Independent claims	<u>2</u>	-	<u>3</u>	=		x	\$86.00	=	<u>\$0.00</u>
Base Fee									<u>\$770.00</u>
<b>TOTAL FEE</b>									<u><b>\$932.00</b></u>

A check for the statutory filing fee of \$932.00 is attached. The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this transmittal letter is attached.



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SUGHRUE MION, PLLC

New U.S. Patent Application No.: Not Yet Assigned

Docket No. Q80840

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There is no claim to priority.

Respectfully submitted,  
SUGHRUE MION, PLLC

Attorneys for Applicant

By:

Brett S. Sylvester

Registration No. 32,765

SUGHRUE MION, PLLC

Telephone: (202) 293-7060

Facsimile: (202) 293-7860

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23373

CUSTOMER NUMBER